

REMARKS

Claims 1 and 3-17 are presently pending in this application. Claims 1, 3, 4, and 6 have been amended to more particularly define the invention. Claim 2 has been canceled. Claims 7-17 have been added to assure Applicant the degree of protection to which his invention entitles him.

Claims 1-6 were rejected under 35 U.S.C. §102(b) as being anticipated by Lupien, WO 99-63774. This rejection is respectfully traversed.

The claimed invention is directed to a mobile communication system and a current location matching method for a mobile communication system. An exemplary embodiment of the mobile communication system includes a mobile station, a radio network, a home location register, and a home agent. A communication channel connects the home location register and the home agent to each other for transmission of update contents for current location information managed by the home location register and the home agent. The home location register comprises a home agent register for registering identifying information of the home agent corresponding to the mobile station, and a subscriber location for remotely carrying out subscriber registration of the mobile station into the home agent through the communication channel. Claim 1 sets out Applicant's invention in this manner, while claims 3-5 add further details.

In accordance with an exemplary embodiment of the method, the home location register and the home agent are connected to each other through the communication channel, and in the home location register, the current location information of the mobile station in the public telephone network is updated in response to a current location report transmitted from

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the mobile station to the radio network during mobile communication on the public telephone network, and updated location information is provided through the communication channel to the home agent. In the home agent, the current location information of the mobile station in the packet data communication network is updated in response to a current location report transmitted from the mobile station to the radio network during packet data communication, and updated location information is provided through the communication channel to the home location register. Thus, current location information of the mobile station is updated in both the public telephone network and the packet data communication network. Claim 6 sets out Applicant's invention in this manner.

Lupien discloses an integrated radio telecommunications network and method. The Examiner asserts that Lupien discloses a mobile station, a radio network, a home location register, and a home agent and that a communication channel connects the home location register and the home agent to each other.

While not explicitly shown, the Examiner presumably urges that Lupien's home location register includes a home agent register for registering identifying information of the home agent corresponding to the mobile station. Likewise, while not explicitly shown, the Examiner presumably urges that Lupien's home location register also includes a subscriber location for carrying out subscriber registration of the mobile station into the home agent.

However, even assuming that the Examiner's position has merit, nothing was found in the cited passages of Lupien clearly disclosing that the subscriber location remotely carries out the subscriber registration of the mobile station into the home agent, as set forth in claim 1. It is accordingly urged that claim 1, and its dependent claims 3-5, distinguish patentably

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from Lupien and are allowable.

As to independent method claim 6, there is nothing found in the cited passages of Lupien that clearly discloses both updating, in the home location register, the current location information of the mobile station in the packet data communication network in response to a current location report transmitted from the mobile station to the radio network during packet data communication, and providing updated location information through the communication channel to the home location register.

Likewise, nothing was found clearly disclosing or suggesting both updating, in the home agent, the current location information of the mobile station in the packet data communication network in response to a current location report transmitted from the mobile station to the radio network during packet data communication, and providing updated location information through the communication channel to the home location register. These features, which are found in independent method claim 6, result in an improved current location information matching method.

It is accordingly urged that claims 1 and 3-6 distinguish patentably from Lupien and are allowable.

Claims 7-10 have been added to assure Applicant the degree of protection to which his invention entitles him. Independent claim 7 distinguishes from Lupien just as does independent claim 1. Accordingly, claim 7 and its dependent claims 8-10 are also allowable.

Dependent claim 11-17 add further features of Applicant's invention to their respective parent claims, and so are likewise allowable.

In view of the foregoing, Applicant submits that claims 1 and 3-17, all the claims

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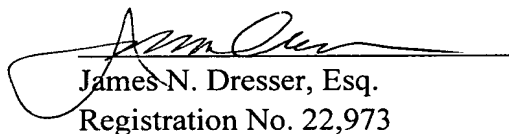
presently pending in the application, are patentably distinct over the prior art of record and that the application is in condition for allowance. Such action would be appreciated.

Should the Examiner find the application to be other than in condition for allowance, the Examiner is requested to contact the undersigned attorney at the local telephone number listed below to discuss any other changes deemed necessary in a telephonic or personal interview.

To the extent necessary, Applicant petitions for an extension of time under 37 CFR §1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Attorney's Deposit Account No. 50-0481 and please credit any excess fees to such deposit account.

Respectfully Submitted,

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